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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,962	10/13/2005	Cedric Perben	09669-063001	2253
22511	7590	07/12/2007		
OSHA LIANG L.L.P. 1221 MCKINNEY STREET SUITE 2800 HOUSTON, TX 77010			EXAMINER VO. TUYEN KIM	
			ART UNIT 2876	PAPER NUMBER
			MAIL DATE 07/12/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/530,962

Applicant(s)

PERBEN ET AL.

Examiner

Tuyen Kim Vo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 6 and 8 is/are rejected.
- 7) ☒ Claim(s) 3-5 and 7 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 April 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/11/2005.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:

"receiving elements (HE1, HE2)" in line 28 of page 4 is suggested to change to -
- receiving elements (CARE1, CARE2) - -.

"C4 et C8" in line 2 of page 4 is suggested to change to - - C4 and C8 - -.

Appropriate corrections are required.

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "The VCC pad is connected to an area C1, the card also has two areas C4 and C8 that are reserved for future use." in lines 6-12 of page 3 and "the conducting lines VCC, GND, D+, D- are respectively electrically connected to the contact areas C1, C2, C4 and C8 of the card" in line 29 of page 3 to line 2 of page 4. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required

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corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

3. Claim 5 is objected to because of the following informalities: the recitation of "card receiving" in line 1 is suggested to change to - - holding - - so that it can be consistent with the limitation that recited in claim 1. Appropriate correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 3 recites the limitation "the first card-receiving element and the second card-receiving element" in lines 1 and 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1, 2 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Ito et al. (Ito) (US 6,210,193 B1).

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Re claim 1, Ito, as shown in figures 1 and 7, teaches a card reader connector comprising:

a connector (contact portion 8 and contact piece 6, figure 1) having a plurality of contact pads (figure 1, column 5, lines 33-42); and

a first holding element (bending piece 23, figure 1. See column 3, lines 36-40) and a second holding element (bending piece 23, figure 1. See column 3, lines 36-40) arranged to hold the card that at least one contact pad of the plurality of contact pads can be connected to at least one contact area of the plurality of contact areas, wherein at least one of the first holding element and the second holding element is movable (see column 3, lines 40-47). In general, see column 3, line 32 to column 5, line 60.

Re claim 2, Ito further teaches the first holding element and the second holding element are respectively provided with a first card-receiving element (main body 19, figure 1) and a second card-receiving element (upper surface 2a, figure 1).

Re claim 8, Ito, as shown in figures 1 and 7, teaches a card reader connector comprising:

a housing (a card reader connector 1, figure 1) having a pivot portion (pivot pins 3, figure 1);

a connector (contact portion 8 and contact piece 6, figure 1) having a contact pad (figure 1, column 5, lines 33-42) disposed within the housing; and

at least one holding element (bending pieces 23, figure 1) configured to be supported pivotally by the pivot portion, wherein the at least one holding element is configured to hold the card such that the contact pad can be connected to a contact

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area of the card (see figure 7, see column 4, lines 36-40). See column 3, line 41 to column 5, line 41.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

10. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al. (Ito) (US 6,210,193) in view of Teng et al. (Teng) (US 2003/0178486 A1).

Re claim 6, Ito teaches all subject matter claimed (see section 7) except for an USB connector for USB type communications. The reader of Ito is used for SIM card type communications. However, USB type communications is well known in the art of

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data storage or reader communications. For example, see the abstract; paragraph [0004] and [0007].

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the reader of Ito to include an USB connector as taught by Teng so that USB type communications can be achieved and thus enhance the communications capability of the reader since USB type communications is widely used in modern technology.

Allowable Subject Matter

11. Claims 3-5 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

12. The following is an examiner's statement of reasons for allowance:

Re claim 3, the prior art of record, taken alone or in combination, fails to teach or suggest the arrangement of card reader wherein and especially, a first card-receiving element and a second card-receiving element are arranged to receive any of cards corresponding to various formats as recited in claim 3 and further limitation of its dependent claim 4.

Re claim 5, the prior art of record, taken alone or in combination, fails to teach or suggest the arrangement of card reader and especially, the first card-receiving element and the second holding element are arranged to pivot as recited in claim 5.

Re claim 7, the prior art of record, taken alone or in combination, fails to teach or suggest the arrangement of card reader and especially, the USB connector is arranged to pivot as recited in claim 7.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Gastineau (US 6,149,450), Vandenengel (US 6,070,797), Sion et al. (US 6,715,678), Bricaud et al. (US 6,869,302 B2), Suzuki (US 6,468,101 B2), Lee (US 6,334,786) and DeFrasne et al. (US 5,603,629) all disclose card reader and connector.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuyen Kim Vo whose telephone number is 571-270-1657. The examiner can normally be reached on Monday - Friday, 7:30a.m. - 5:00p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TKV.
Tuyen Kim Vo
Patent Examiner
Art Unit 2876
July 5, 2007.


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